

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

08/05/2011

Laura Martin  
Assistant District Attorney, Norfolk County

Dear ADA Martin,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Stacey Desjardins.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Desjardins was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".  
Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

### **Annie Khan (Dookhan)**

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

#### Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

#### QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# **Stacey Lyn Desjardins**

stacey.feiden@state.ma.us

EDUCATION	<p><b>Master of Science—Forensic Science</b> University of New Haven; West Haven, Connecticut May 2006</p> <ul style="list-style-type: none"><li>• Concentration: Criminalistics</li><li>• Certificate: Advanced Investigation</li></ul>
	<p><b>Bachelor of Arts—Chemistry</b> Monmouth College; Monmouth, Illinois May 2004</p> <ul style="list-style-type: none"><li>• Graduated Cum Laude</li></ul>
EXPERIENCE	<p><b>Chemist I</b> Massachusetts Department of Public Health; Jamaica Plain, Massachusetts March 2009-present</p> <ul style="list-style-type: none"><li>• Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies</li><li>• Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)</li><li>• Provide expert testimony to local, state, and federal courts in Massachusetts</li></ul>
	<p><b>Teaching/Graduate Assistant</b> Monmouth College Chemistry Department University of New Haven Forensic Science Department January 2001-May 2006</p> <ul style="list-style-type: none"><li>• Supervised labs and answered student questions</li><li>• Performed demonstrations using forensic techniques and chemicals</li></ul>
	<p><b>Additional work experience and references available upon request</b></p>
TRAINING	<p>2010: DEA Forensic Chemist Seminar—Washington DC</p> <p>2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends</p> <p>2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst</p> <p>2005: Internship with the New Hampshire State Crime Lab</p>
COURSEWORK	<p>Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry</p>

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*  
*Executive Office of Health and Human Services*  
*Department of Public Health*  
*State Laboratory Institute*

Boston Drug Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours

8:00 – 11:00  
2:00 – 4:00

Amherst Hours  
9:00 – 12:00  
1:00 – 3:00

**DRUG RECEIPT**

City or Department: Brantree Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Clifford

Defendant(s) Name (last, first, initial):  
[REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight      Lab Number

(2) XANAX pills

2.33 gm

(4) Methadone pills

2.58 gm

Received by: [Signature]

Date: 8.5.10

No. [REDACTED]

Date Analyzed: 11-2-10

City: Braintree Police Dept.

Officer: Detective RICHARD CLIFFORD

Def: [REDACTED]

Amount: 2.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/05/2010

No. Analyzed:

Gross Wt.: 2.33V

Net Weight:

# Tests: 1 SLD  
A+L

Prelim:

Findings: alprazolam  
E

No. [REDACTED]

Date Analyzed: 11-09-10

City: Braintree Police Dept.

Officer: Detective RICHARD CLIFFORD

Def: [REDACTED]

Amount: 4.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/05/2010

No. Analyzed:

Gross Wt.: 2.58V

Net Weight:

# Tests: 1 SLD

Prelim:

methadone

Findings: B

\*2950

methadone

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY BraintreeANALYST SLD

No. of samples tested: \_\_\_\_\_

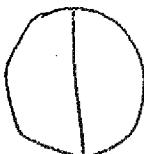
Evidence Wt. ✓

PHYSICAL DESCRIPTION: - signed & sealed  
- 2 light blue, round tabs

Gross Wt ( ): \_\_\_\_\_

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.25g

- Class E  
- A+L

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate ( )

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold Chloride \_\_\_\_\_

TLTA ( )

### OTHER TESTS

micromedex

## PRELIMINARY TEST RESULTS

RESULTS \_\_\_\_\_

DATE \_\_\_\_\_

## GC/MS CONFIRMATORY TEST

RESULTS alprazolam

MS OPERATOR \_\_\_\_\_

DATE 11-2-10

**POISINDEX® Product List****Alprazolam****Regulatory-Status:** Schedule IV**Ingredients****Active-Ingredient:** Alprazolam - 1 MG**Excipients:** Silicon Dioxide, Colloidal Croscarmellose Sodium Docusate Sodium Lactose (Monohydrate) Magnesium Stearate Microcrystalline Cellulose Sodium Benzoate Sodium Lauryl Sulfate FD&C Blue No. 2**Availability & Manufacturing****Availability:** United States**Available-Container-Sizes:** Strip of 100; Strip of 1; Bottle of 100; Bottle of 500; Bottle of 90**Contact:** Mylan Pharmaceuticals**Product ID:** 5325984**AAPCC Code:** 007000 - Benzodiazepines**Registry Numbers:**  
NDC 0378-4005-77  
NDC 51079-790-20  
NDC 51079-790-01  
NDC 0378-4005-01  
NDC 51079-790-21  
NDC 0378-4005-05**Physical Description****Imprint:** MYLAN A1 - The tablet is debossed with MYLAN over A1 on one side of the tablet and scored on the other side.**Form:** Oral Tablet**Color:** Blue**Shape:** Circle

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# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY BraintreeANALYST SLD

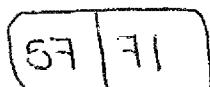
No. of samples tested: \_\_\_\_\_

Evidence Wt. ✓ \_\_\_\_\_

PHYSICAL DESCRIPTION: - signed & sealed  
Gross Wt ( ) : \_\_\_\_\_

- 4 white, rectangular tabs

Gross Wt ( ) : \_\_\_\_\_



Gross Wt ( ) : \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 1.00g \_\_\_\_\_

- Class B

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( ) \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

Marquis \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

Froehde's \_\_\_\_\_

### OTHER TESTS

Mecke's \_\_\_\_\_

micromedex

## PRELIMINARY TEST RESULTS

RESULTS methadoneDATE 11-2-10

## GC/MS CONFIRMATORY TEST

RESULTS methadoneMS  
OPERATOR ASIDDATE 11-9-10

**POISINDEX® Product List****Methadone Hydrochloride****Also known as:** Methadone HCl**Regulatory-Status:** Schedule II**Ingredients****Active-Ingredient:** Methadone Hydrochloride - 10 MG**Excipients:** Magnesium Stearate  
Cellulose, Microcrystalline  
Silicon Dioxide  
Lactose (Monohydrate)**Availability & Manufacturing****Availability:** United States**Available-Container-Sizes:** Bottle of 100; 10X10**Contact:** Covidien Mailinckrodt**Product ID:** 6710697**AAPCC Code:** 037703 - Methadone**Registry Numbers:** NDC 0406-5771-01  
NDC 0406-5771-62**Physical Description****Imprints:** M - The tablet is debossed with a score between 57 and 71 on one side and M enclosed in a box on the other side.  
57 71**Alt Imprint:** 5771**Form:** Oral Tablet**Color:** White to Off-White**Shape:** Rectangle

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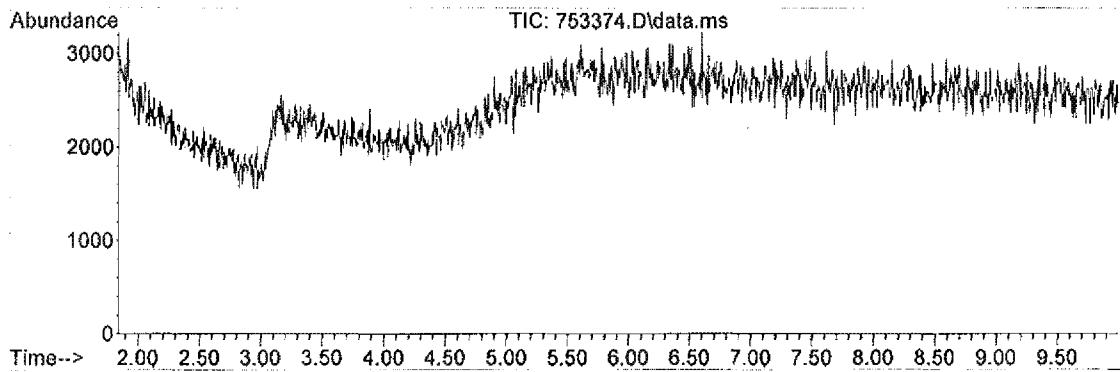
Area Percent / Library Search Report

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Information from Data File:

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Operator : ASD  
Date Acquired : 8 Nov 2010 23:19  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

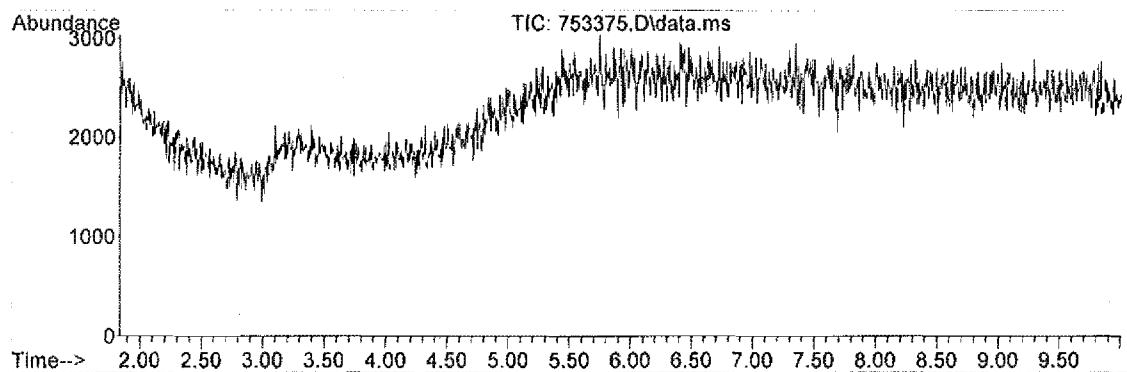
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753375.D  
Operator : ASD  
Date Acquired : 8 Nov 2010 23:32  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

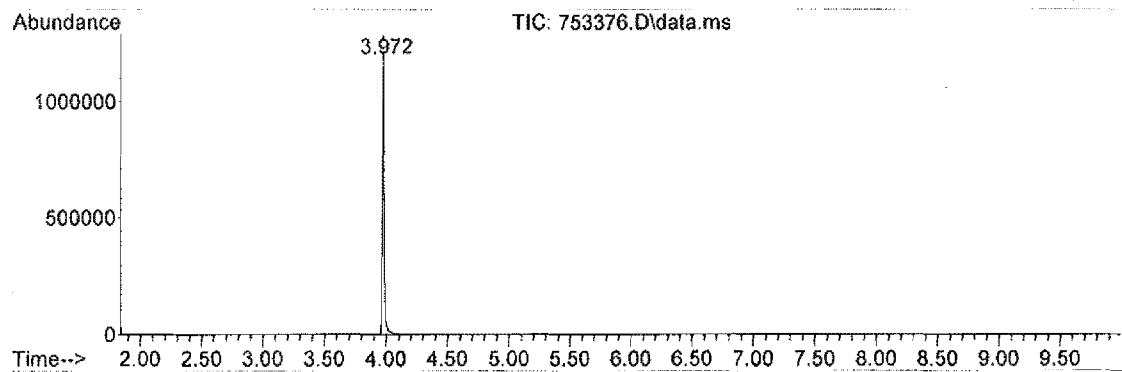
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753376.D  
Operator : ASD  
Date Acquired : 8 Nov 2010 23:45  
Sample Name : METHADONE STD  
Submitted by :  
Vial Number : 76  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.972	1241862	100.00	100.00

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Area Percent / Library Search Report

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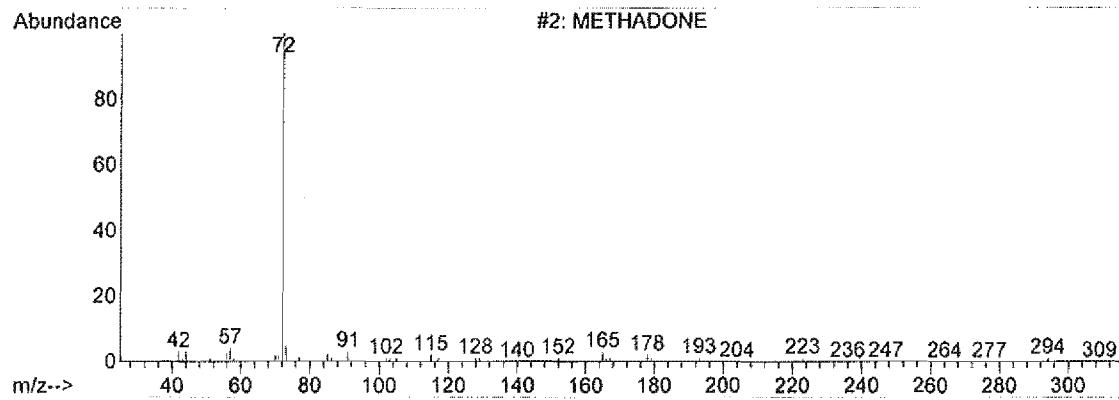
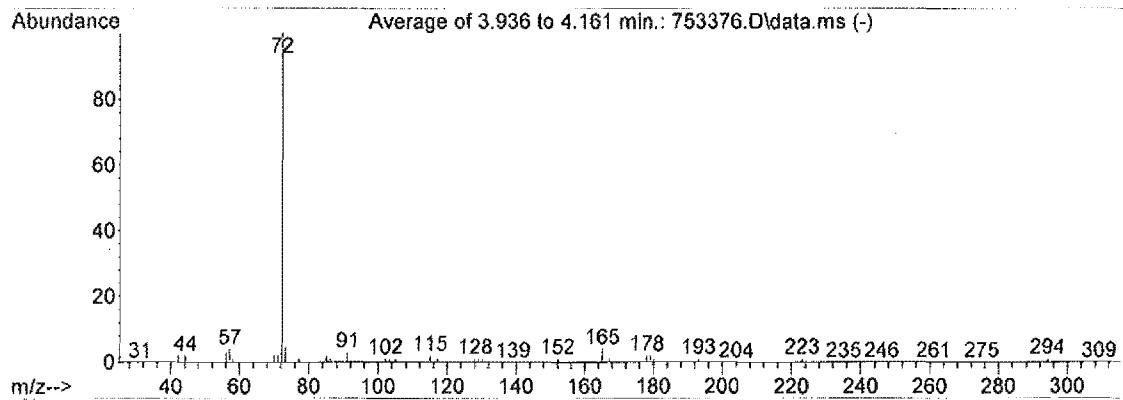
Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753376.D  
Operator : ASD  
Date Acquired : 8 Nov 2010 23:45  
Sample Name : METHADONE STD  
Submitted by :  
Vial Number : 76  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.97	C:\Database\SLI.L METHADONE	001095-90-5	97



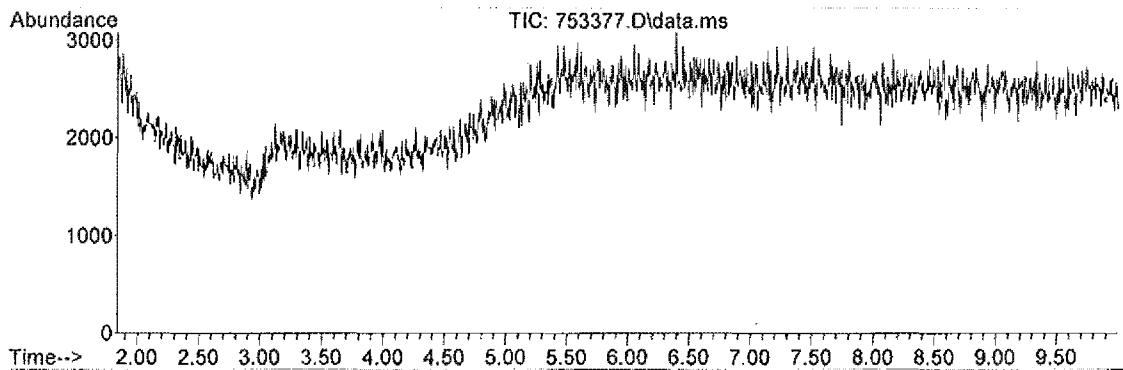
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753377.D  
Operator : ASD  
Date Acquired : 8 Nov 2010 23:58  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

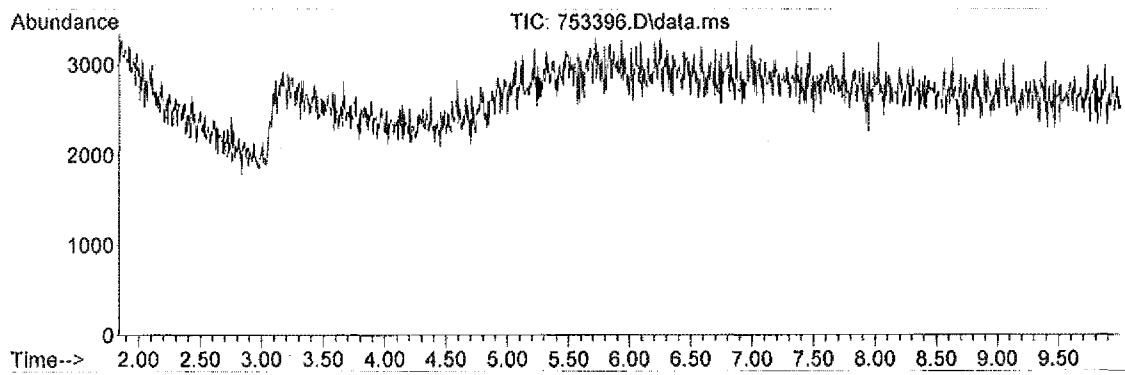
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753396.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 4:02  
Sample Name : BLANK  
Submitted by : SLD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

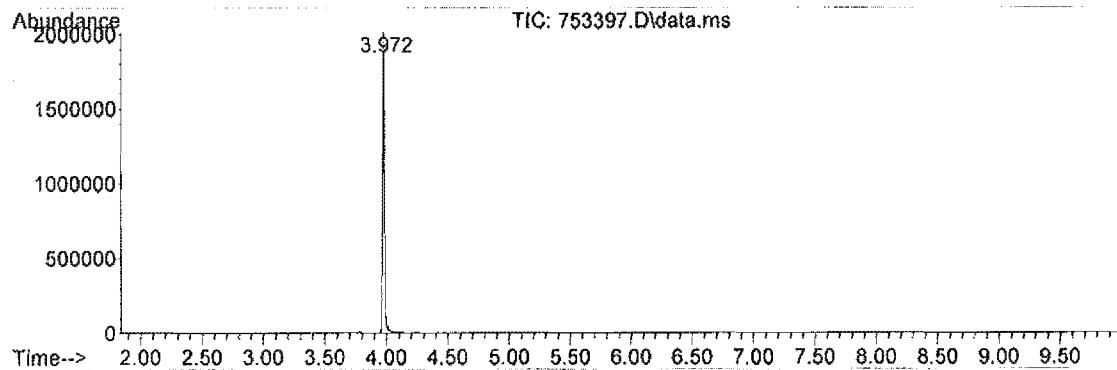
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\ii\_08\_10\753397.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 4:14  
Sample Name : XXXXXXXXXX  
Submitted by : SLD  
Vial Number : 97  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.972	2132010	100.00	100.00

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Area Percent / Library Search Report

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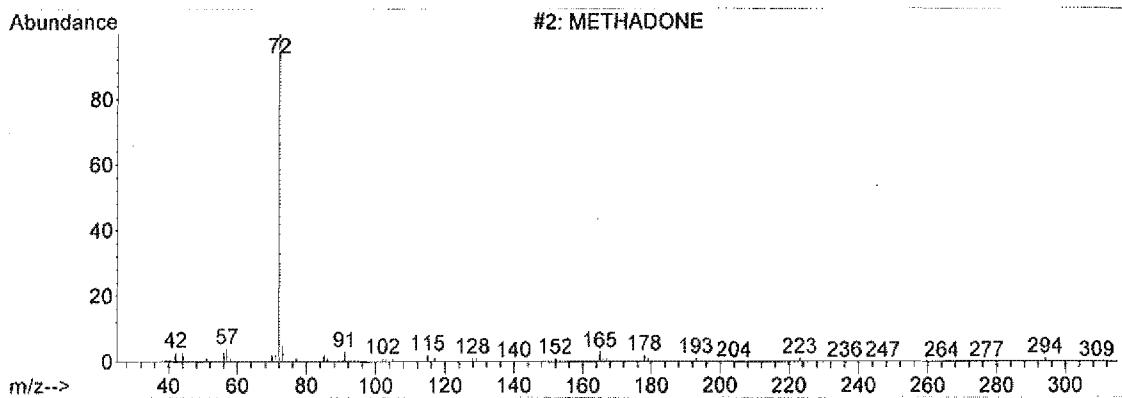
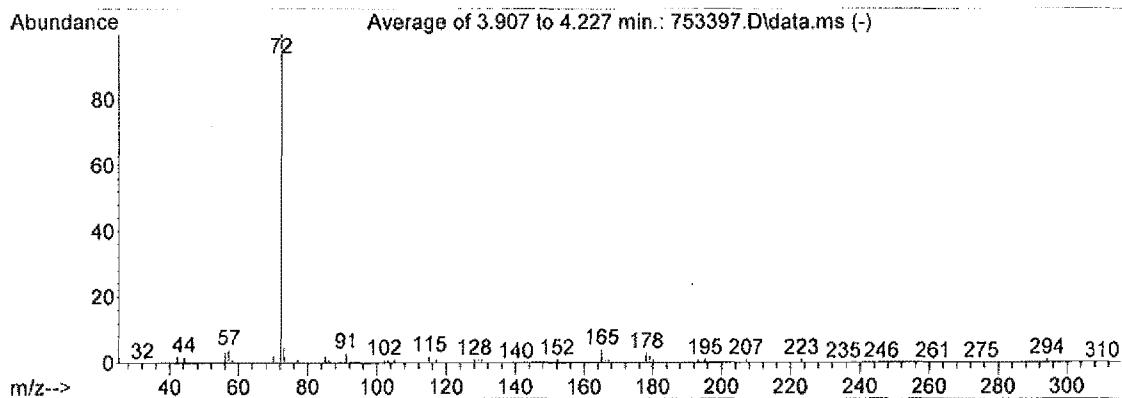
Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753397.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 4:14  
Sample Name : XXXXXXXXXX  
Submitted by : SLD  
Vial Number : 97  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.97	C:\Database\SLI.L METHADONE	001095-90-5	96



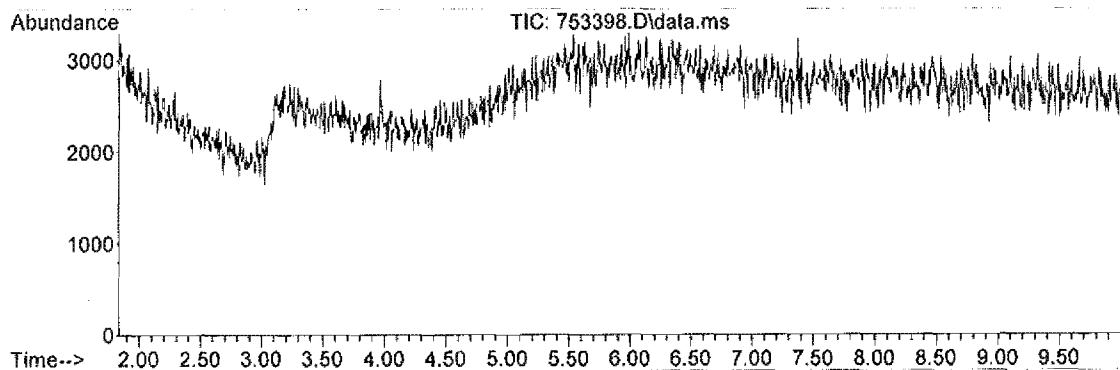
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\753398.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 4:28  
Sample Name : BLANK  
Submitted by : SLD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

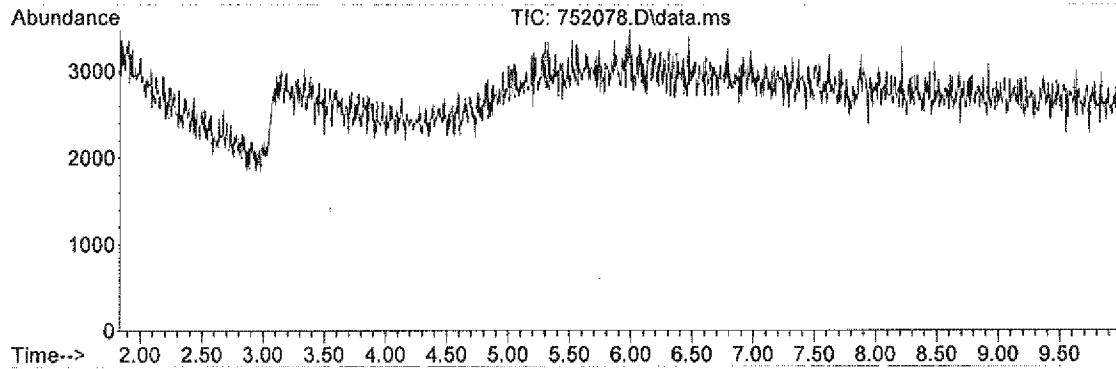
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\752078.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 5:45  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

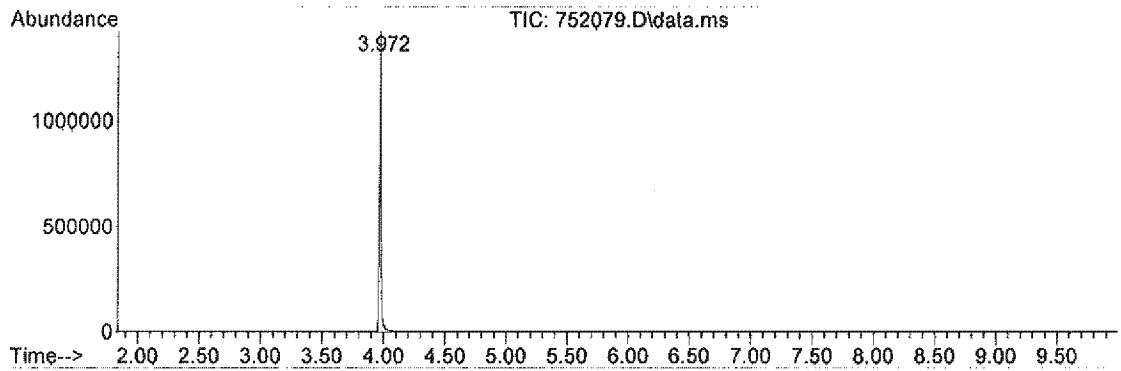
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\752079.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 5:58  
Sample Name : METHADONE STD  
Submitted by :  
Vial Number : 76  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.972	1331155	100.00	100.00

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Area Percent / Library Search Report

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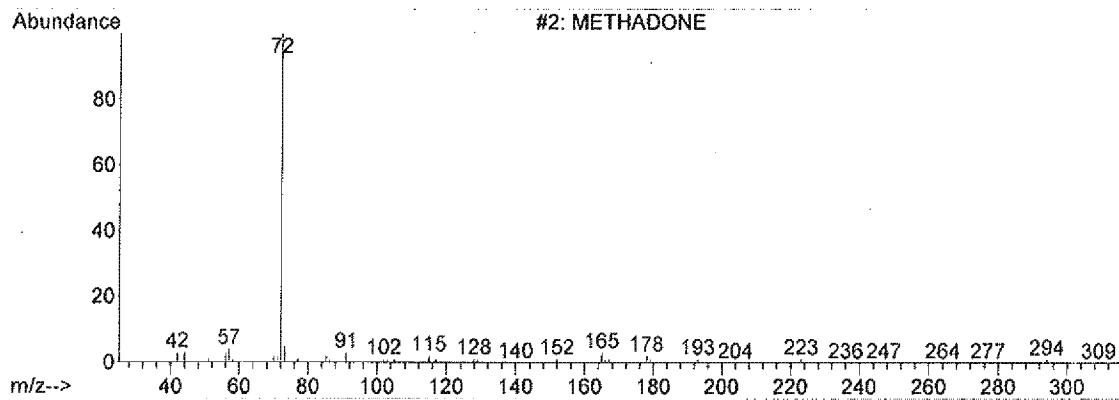
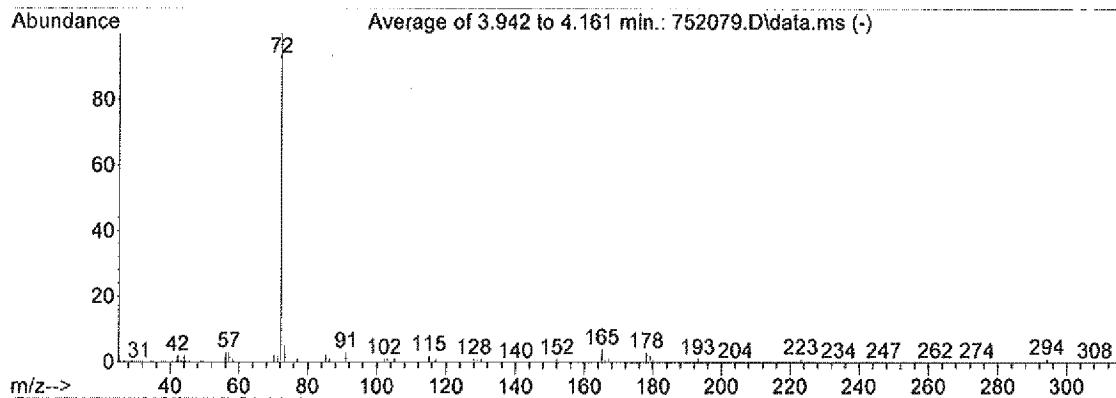
Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\752079.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 5:58  
Sample Name : METHADONE STD  
Submitted by :  
Vial Number : 76  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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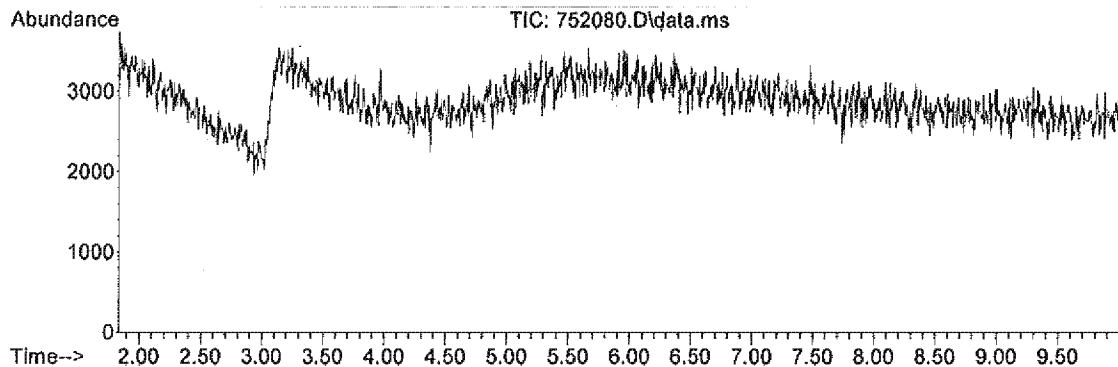
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.97	C:\Database\SLI.L METHADONE	001095-90-5	97



## Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\11\_08\_10\752080.D  
Operator : ASD  
Date Acquired : 9 Nov 2010 6:10  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*